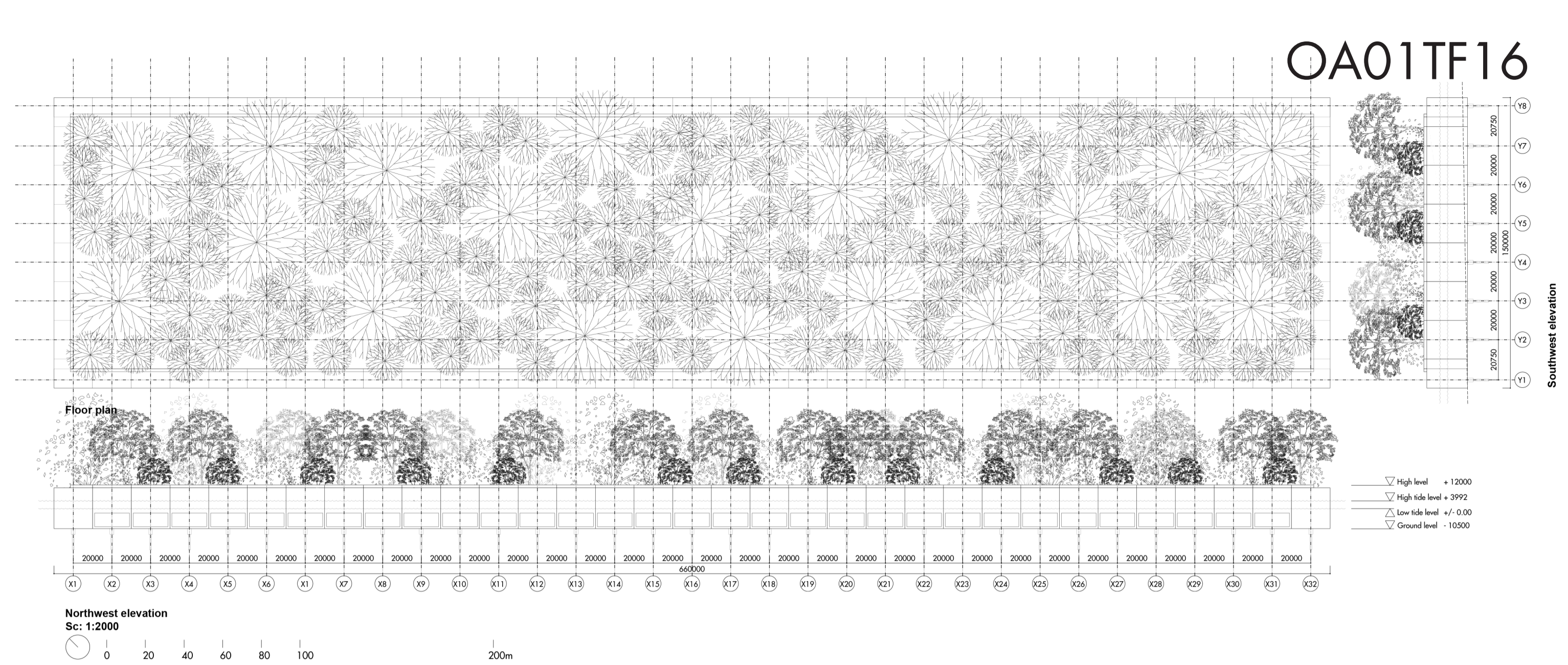




- THE FOREST -  
View from the south side - Santa Monica / California



- LAND ART -

The expansion of cities has as final result the depletion of natural resources, a green Eden is built on the water inviting people to stay and live in peace. The forest as the project is called, seeks to alter with an artistic sense the coastal landscape of Santa Monica, trying to generate the amplification of atmospheric, visual and auditory phenomena that define man's relationship with nature.

We propose amplify the presence of the Pacific Ocean, moving towards an antagonistic landscape to establish a new relationship through the perceptual contrast can be generated by the insertion of a forest in the middle of a body of water.

The project is framed in the boundaries between landscape, architecture, engineering and land art, besides being a plastic proposal for intervention on the landscape, it is intended to replace the current breakwater - which is eroded by the ocean - with a rectangular structure - that occupies the area permitted by the competition - to absorb the impact of waves, generate electricity and contain the proposed forest.

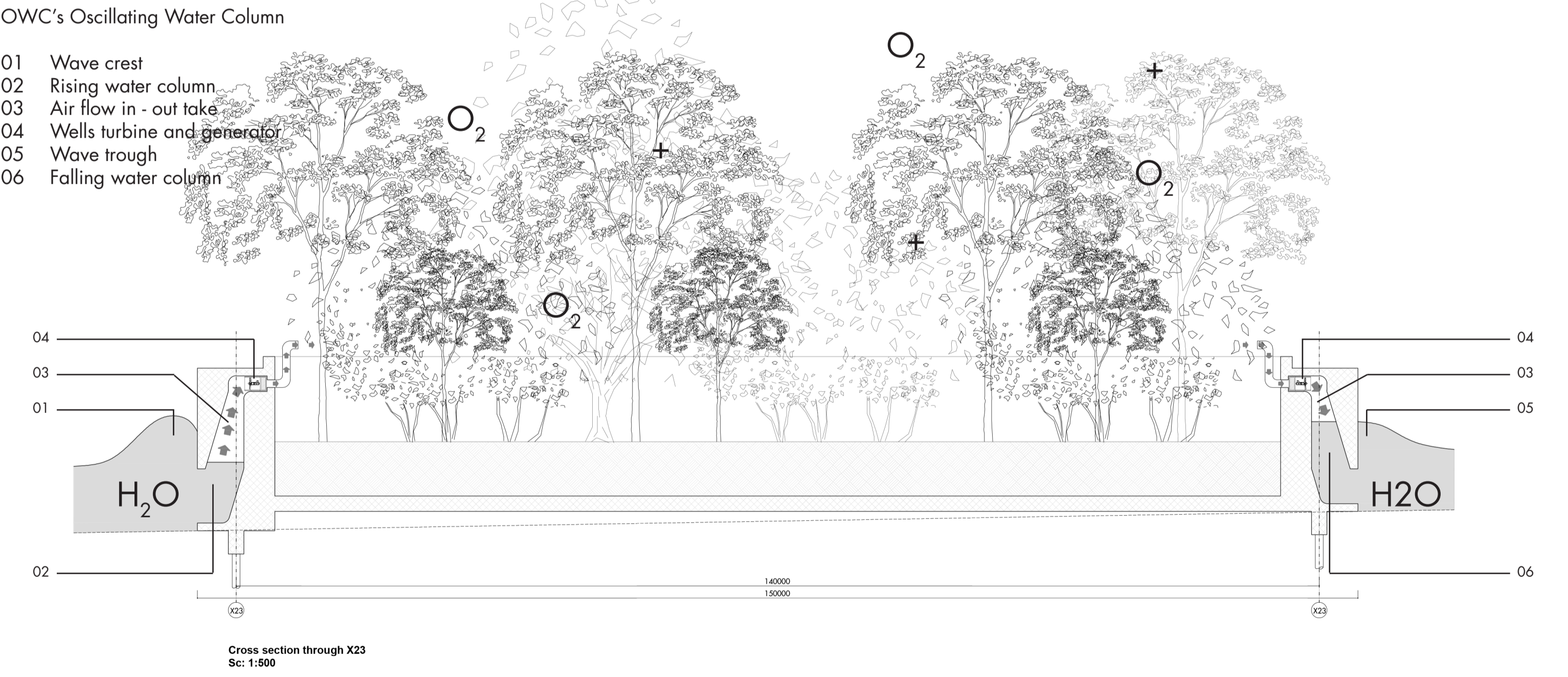
- GENERATOR -

The project proposes three strategies of positive environmental impact.

1. OWC Oscillating Water Column.  
Involves the construction of a system of air chambers located on the seabed and with an opening at the bottom of them, these chambers are equipped with a Wells turbine works in two directions and is connected to an electric generator, this simple device is activated by the thrust that has the wave on the body of air located within the chamber and likewise for the suction air generated when the wave recedes, these air movements activate the turbine and they maintain continuous operation without interruption thanks to the constant movement of the waves.

2. Breakwater.  
The arrangement of 32 OWC straight off the coast of Santa Monica and the current breakwater - totally eroded - acts as a new infrastructure containment wave with the difference that it uses the power of the sea to produce electricity.

3. Oxygen generator.  
With 99,000 m2 forest that is installed within the framework of OWC breakwater annually produce 120 tons of O2 while absorb 180 tons of CO2.



- THE FOREST -  
Memory - Santa Monica / California